Dear FCC:

Comments concerning ET Docket 03-104 Broadband over power line systems.

As an amateur radio operator I have spent much time and hundreds of dollars converting faulty equipment and installing filters in my neighbor's homes so that I will not interfere with them and they will not interfere with my ham radio. With this effort, I am able to run 1000 watts with negligible interference.

Since I live in a subdivision with no visible antennas allowed from the street, my antennas are low and hidden behind my home - see http://k5gp.home.texas.net/MVC-252X.JPG and http://k5gp.home.texas.net/MVC-254X.JPG for the antenna setup.

I have replaced many telephones and put filters in most of the TV antennas and telephones and on the power cords of many of the applicances in these houses. Because of the close proximity of my antennas to the house wirings in my house and my neighbor's houses, I can hear every click of a light switch and every mixer motor that runs. Power electronics devices like a light dimmer makes an intolerable amount of radio noise on my receiver. I have installed the "no RFI" types of light dimmers. Interestingly they were designed and manufactured in France.

If the FCC allows devices to transmit digital signals over the power lines, those signals will block my reception of weak HF signals. Some of those weak signals are from boats in the Atlantic and Pacific, I'm a sailor.

I would probably greatly interfer with those power line carrier signals in my neighbors houses when I transmit. For this technology there is nothing I could do to fix the neighbor's systems other than buy them out, i.e. offer to install another system that doesn't operate on the HF bands from 1.8 to 30 MHz.

If they refuse this will cause a lot of problems for me and my neighbors. It is likely to lead to uncivilized behavior where there is currently a friendly working relationship between me and my neighbors.

Please, please, do not adopt this technology.

Sincerely,
Dr. Eugene G. Preston
amateur radio K5GP